

DOCKET: CU-5016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Katsuya TESHIMA

TITLE: CORUNDUM CRYSTAL FORMED BODY

THE COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

AMENDED ABSTRACT

~~A main object of the present invention is to provide a corundum crystal~~
formed body ~~comprising~~ having a corundum crystal grown directly on a base
material and a production process capable of producing the corundum crystal
formed body easily at low costs. The ~~present invention provides~~
a corundum crystal formed body ~~comprising~~ has a platinum base material and a
corundum crystal portion formed on the platinum base material. Further, the
~~present invention provides a process for producing a corundum crystal formed~~
~~body, wherein~~ involves forming a corundum crystal ~~is formed~~ on a platinum base
material by a flux evaporation method of heating a sample containing a raw
material and a flux to precipitate a crystal ~~and grow the~~. The crystal is grown by
use of flux evaporation as a driving force.